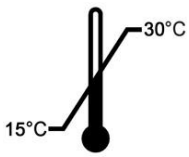
User's Guide

CE

MyGenie™ 96/384
Thermal Block

REF A-2040-1/
A-2040-4



BIONEER
Innovation • Value • Discovery

MyGenie™96/384
Thermal Block

User's Guide

Version No.: 1.1E (2013-12)

Please read all the information in booklet before using the instrument

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Contents

1. Getting Started ····· 1

2. Safety warnings ····· 2

2.1. Set up ····· 2
2.2. Operating and Managing ····· 3
2.3. Electrical ····· 3

3. System components and specifications ····· 4

3.1. System components ····· 4
3.2. Specifications ····· 5
3.3. System views ····· 6

4. Operation ····· 8

4.1. Using the keys ····· 8
4.2. Main Menu ····· 8
4.3. Instrument Self-Test ····· 9
4.4. Using the Main Menu ····· 11
4.4.1. Using the RUN ····· 11
4.4.2. Using the CREATE ····· 14
4.4.3. Using the PROGRAM ····· 19
4.4.4. Using the OPTION ····· 30

5. Troubleshooting ····· 33

6. Ordering information ····· 35

7. Warranty ····· 36

1. Getting Started

Thank you for purchasing this Bioneer product.

We will try our best to provide satisfactory results to our customers.
This guide contains practical guidelines and cautions to be taken regarding the instrument.
Please read this manual carefully and thoroughly before using the instrument.

About this product

MyGenie™ 96/384 Thermal Block is a cost-effective, peltier-based thermal block for life science research, equipped with a temperature control system.
MyGenie™ 96/384 Thermal Block is different from the existing thermal cycler. It has various function(temperature increment, time increment, ramp rate control).
This system is light and compact size that it doesn't take too much space and easily movable. It has friendly user's interface that it is convenient for users to program for their own usage.

Website

Please visit us online at http://www.bioneer.com to obtain more information about *MyGenie*™ 96/384.

General information

- *MyGenie*™ 96/384 is a trademark of Bioneer Corporation.
- The information contained in this guide is under copyright protection. It is unlawful to reproduce part or all of the contents of this Guide without the expressed written consent of Bioneer Corporation.
- Bioneer Corporation reserves the right to alter, modify and otherwise make changes to the instrument and guide without prior notice.

Instrument marking description

WARNING

Hot surface. Note that you hot surface temperature.

CAUTION

Do not work long hours at low temperature to Bath.
We had a condensate can cause equipment malfunctions.

CAUTION

Door attention behavior.
Open or close attention to when you crash and insertion.

Power Inlet Fuse

250V, 6.3A

2. Safety warnings

Before operating the instrument, read the information in this section concerning hazards and potential hazards.

⚠ Warnings	If not followed the serious damage and harm will occur even death.
⚠ Cautions	If not followed, there will be danger to face serious damages and harms.

2.1. Set up

⚠ Warning

1) Before connecting the main power, check the voltage against the rating plate. This instrument is configured for use either at 100–240VAC.
2) Use ground connected Power. If it is not grounded, the system may break down or there may have electric leakage to cause electric shock.
3) If the power plug is loose, DO NOT use it since there may be damage in plug. Damage in plug may cause electric shock and fire.
4) DO NOT use many instruments sharing the Power plug at the same time. It may heat up to cause fire.
5) While you plug in and plug out the power plug, MAKE SURE hands are dry.
6) DO NOT put hot objects on or near flammable objects. This may cause fire.
7) DO NOT place any liquid directly in your unit.
8) DO NOT install My Genie 96/384 in the place where inflammable, acid gas could be leaked nor close to such environment. If any gas is leaked, DO NOT turn on the power, but open the window immediately to ventilate, any case of fire sparkle, this may cause the explosion and fire.
9) DO NOT disassemble nor modify the product.

⚠ Caution

1) MAKE SURE there is no dust on the plug before plug the power in. Plug the power tightly that it is not loose.
2) Use the product in the room temperature between 20℃~30℃. If the temperature is too high, the product may not operate properly.
3) DO NOT PLACE any items on the sides of the product. It may disturb the ventilation, and so it may damage during operation.
4) DO NOT Drop the product. Any percussion may damage the product.
5) If the product is not used for long time, unplug the power to prevent possible heat up.

2.2. Operating and Managing

Warning

1) DO NOT use this product other than Thermal Block. Damage and accident may occur.
2) DO NOT place any paper, cardboard, cloth, etc under the product. This is to prevent any cause of fire.
3) DO NOT cover with any paper, cloth, or plastic on the product.
4) DO NOT open or touch right after the operation. This is to prevent burning.
5) In case of any modification is done or assemble during block change, this may not operate normally and if any damage occurs, BIONEER will charge for the repair.

2.3. Electrical

Warning

1) Use properly configured and approved line cords for the voltage supply in your facility. Power cord: IEC/EN approval component used and less than 3 m, Minimum conductor size: 0.75 mm.
2) Grounding circuit continuity is vital for the safe operation of equipment. Never operate equipment with the grounding conductor disconnected.
3) Plug the system into a properly grounded receptacle with adequate current capacity.
4) For disconnection *MyGenie*™ 96/384, turn off the *MyGenie*™ 96/384 and disconnect the power cord from the AC appliance inlet on back of the *MyGenie*™ 96/384.

3. System components and specifications

This product has one (1) year warranty. Any damaged made by the user's mistake or mishandled, there will be no warranty. After one (1) year, repair will be charged.

3.1. System components

Cat. No. A-2040-1(96-well)	
Main body	1 unit
User's manual	1 copy

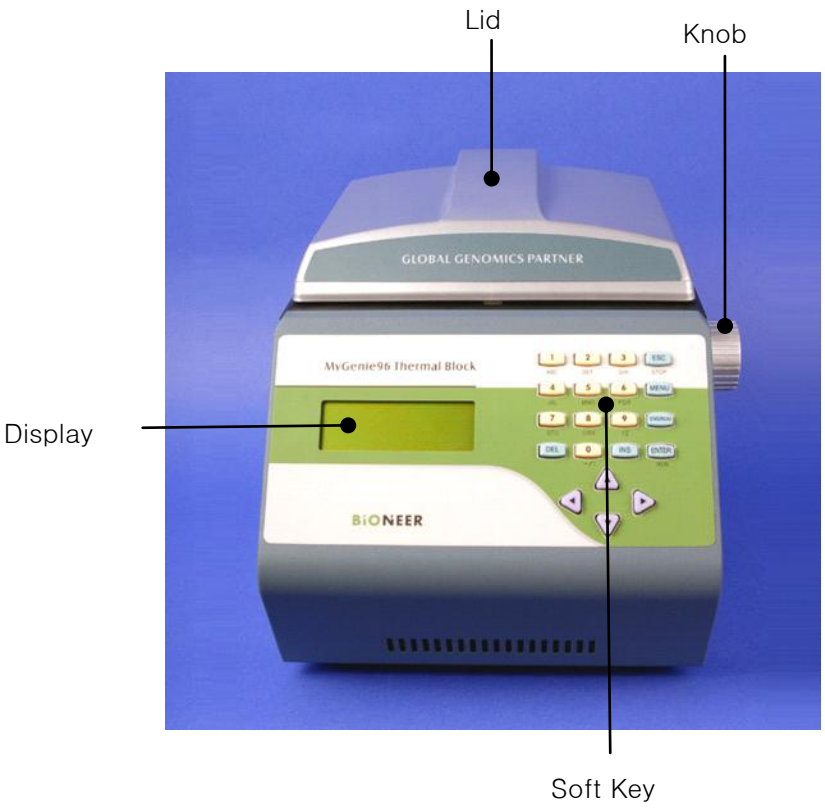
Cat. No. A-2040-4(384-well)	
Main body	1 unit
User's manual	1 copy

3.2. Specifications

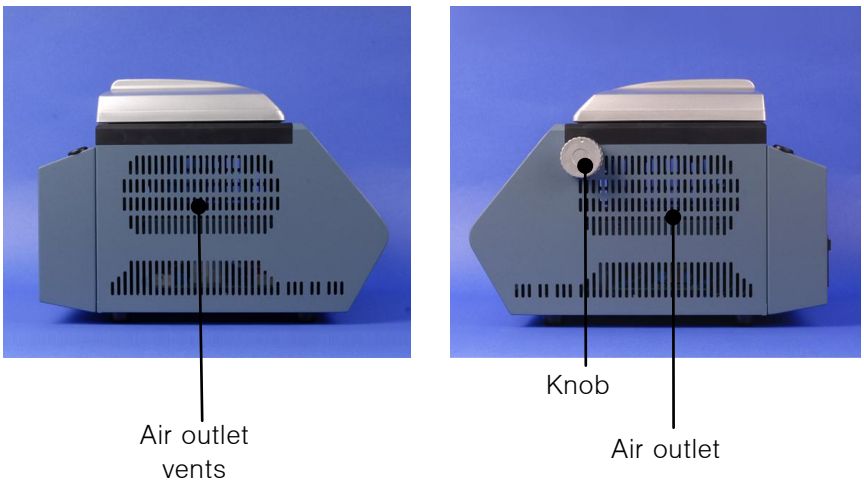
Physical specifications	
Dimension (mm)	238 (w) X 235 (h) X 297 (d)
Weight (Kg)	8.0 kg
Sample capacity/Size	96 well (0.2 ml micro tubes) / 384 well
Display	20 × 4 Character LCD
Keypad	20 Key
Power input	100-240VAC , 50/60Hz, 920VA
Operating specifications	
Method of heating	Peltier
Method of cooling	Peltier
Temperature range	4.0℃ ~ 99.9℃
Temperature accuracy	± 0.3℃
Temperature uniformity	± 0.5℃
Ramping speed	Max 2.5℃
Lid temperature	90℃~120℃
Temperature increment range	0.1℃~9.9℃
Time increment range	1s~60s
Ramp rate control	0.1℃/s Set up per unit
Operating temperature	20 ~ 30℃
Operating humidity	20 ~ 80% (Condensate will happen in the bath)
Software specification	
Number of program	150
Number of repeated cycles	99
Number of steps/program	40
Temperature input range	4.0℃ ~ 99.9℃

3.3. System views

(1) Front view

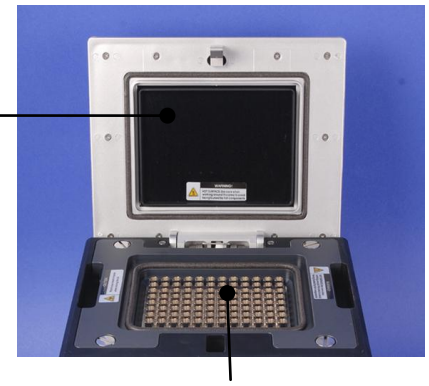


(2) Side views

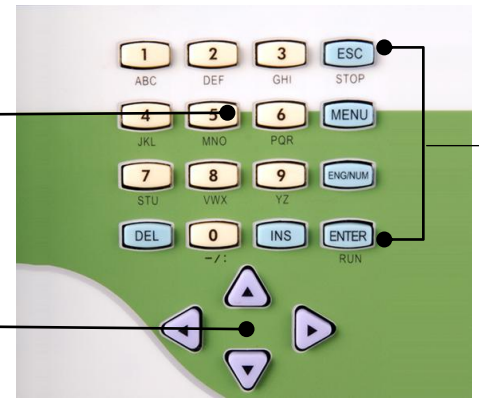


(3) Rear view

(4) Top view



(5) Soft keys



4. Operation

4.1. Using the keys

The keys on the control panel have the following functions:

1) ENTER/RUN: Enters information typed into a field and advances the cursor to the next field on a screen; Start a Program you select.
2) MENU: Returns you to the Main menu at any time.
3) ENG/NUM: Switch between English letter and number while entering a Program name.
4) ESC/STOP: Moves to the one step upper level of menu; Clears an entry; Stops a Program while it is running.
5) INS: Insert a letter or a number into a word or number; Insert a step into a Program.
6) DEL: Removes information from a field.
7) Numeric key: Enters numbers from left to right into a field you highlight.
8) Arrow key: Moves the cursor to different fields on the display screen in the direction of the arrow.

4.2. Main Menu

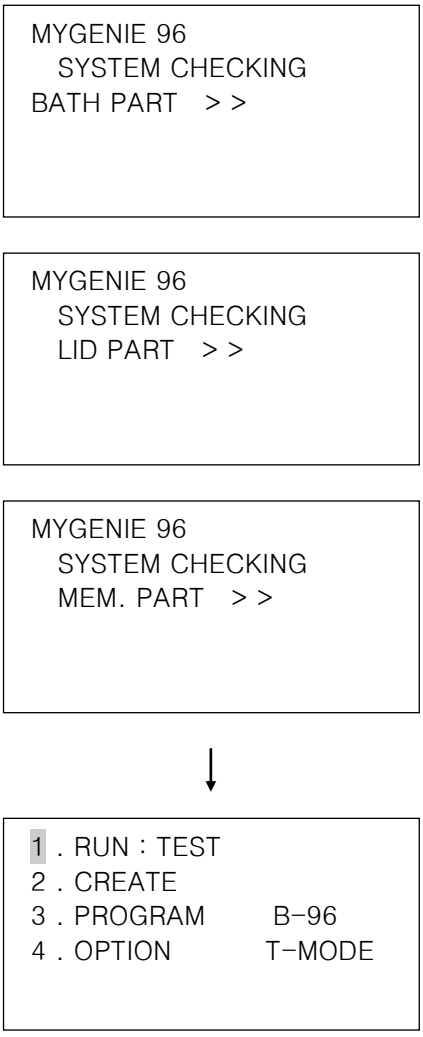
1) RUN: Displays a Program last used, which can be run directly by pressing the ENTER/RUN key.
2) CREATE: From the CREATE menu, you can create, store, and run a Program of your choice.
3) PROGRAM: A Program can be modified, copied, deleted, viewed or folder renamed.
4) OPTION: temperature control mode.

4.3. Instrument Self-Test

After turning on the instrument, *MyGenie*™ 96/384 Thermal Block will perform a self-test routine. Make sure that the Main menu appears after the self-test. If any error occurs, call a BIONEER service representative for service.

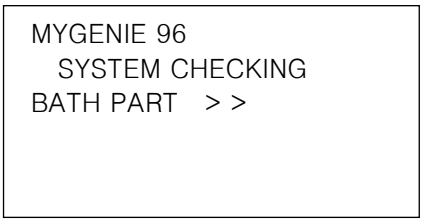
1) Turn on the instrument.
2) The Display Widow will be like either (a) or (b)

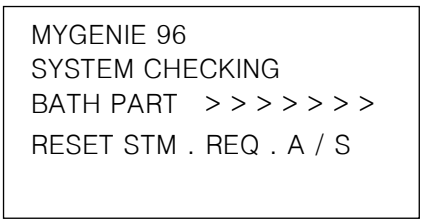
(a) <u>If everything is OK</u>
: After 3~10 seconds of self-test, the Main menu appears.

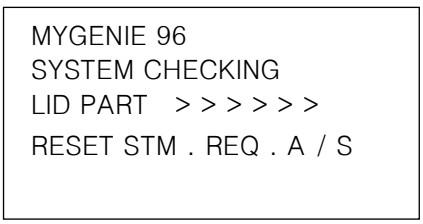


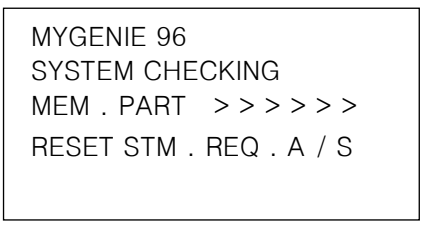
(b) If there is a problem with the instrument

: The system will show an error message on which part has a problem.







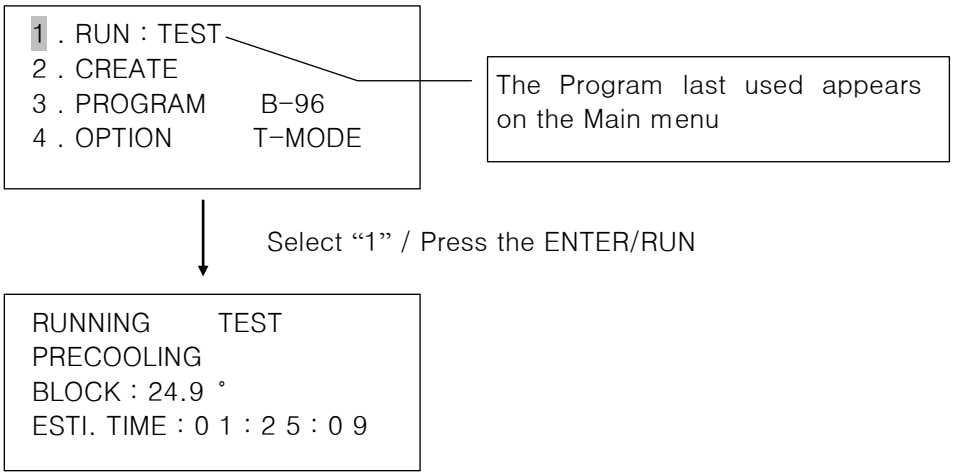


If you have an error message, turn off the instrument and call a BIONEER service representative.

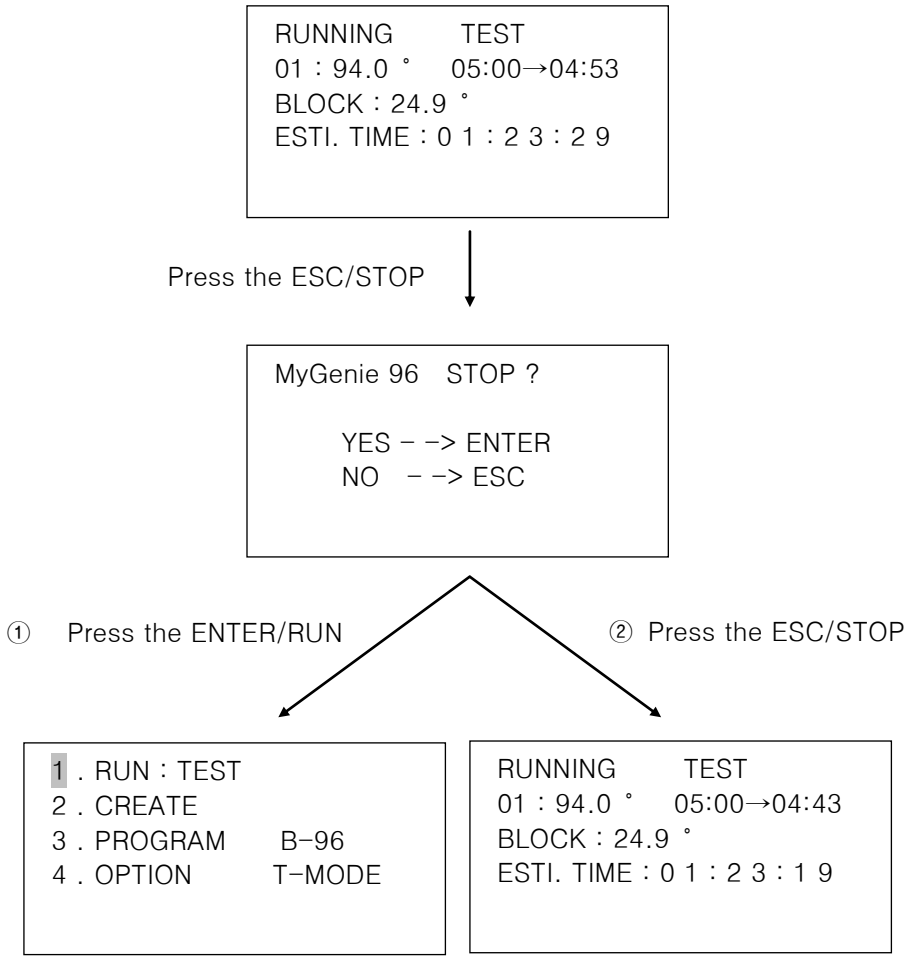
4.4. Using the Main Menu

4.4.1. Using the RUN

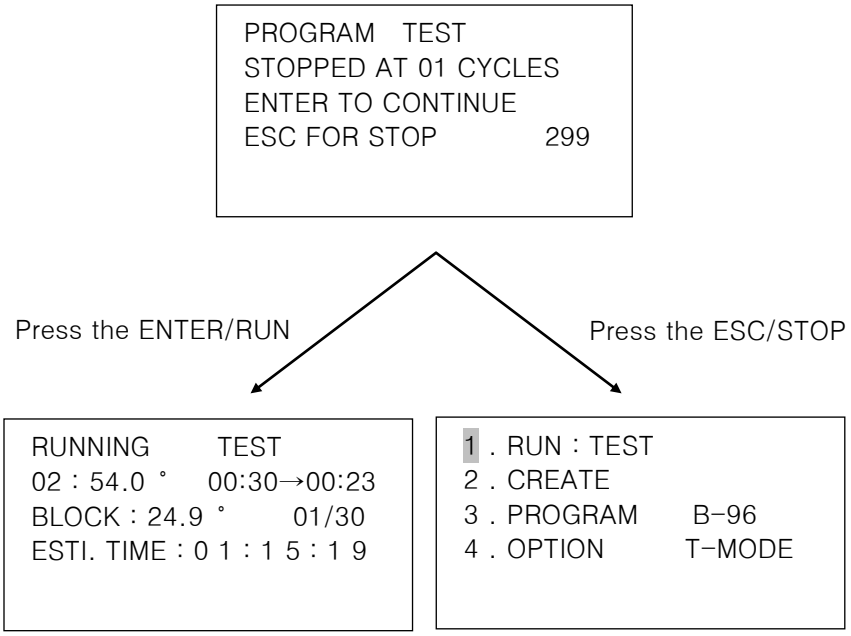
From the RUN menu, you can start a Program by selecting the ENTER/RUN key. The Program last used appears on the Main menu, and you can start the Program by selecting the ENTER/RUN key after pressing the soft key '1' or moving the cursor to '1'.


1 . RUN : TEST
2 . CREATE
3 . PROGRAM B-96
4 . OPTION T-MODE
The Program last used appears on the Main menu
Select "1" / Press the ENTER/RUN
RUNNING TEST
PRECOOLING
BLOCK : 24.9 °
ESTI. TIME : 0 1 : 2 5 : 0 9

Use ESC/STOP key to stop the system. If ESC/STOP Key is pressed, the dialog will confirm to stop again. Select ESC key to continue or Select Enter key to stop.


RUNNING TEST
01 : 94.0 ° 05:00→04:53
BLOCK : 24.9 °
ESTI. TIME : 0 1 : 2 3 : 2 9
Press the ESC/STOP
MyGenie 96 STOP ?
YES - -> ENTER
NO - -> ESC
① Press the ENTER/RUN
② Press the ESC/STOP
1 . RUN : TEST
2 . CREATE
3 . PROGRAM B-96
4 . OPTION T-MODE
RUNNING TEST
01 : 94.0 ° 05:00→04:43
BLOCK : 24.9 °
ESTI. TIME : 0 1 : 2 3 : 1 9

If the system is shot down abnormally, such as sudden blackout or by user's mistake, it will go through self-testing so that it could execute again from the time where the system has shot down or it could stop operating. The diagram below shows as you press 'ENTER' key, the system can execute again or press 'ESC' key to stop to go to main menu.


PROGRAM TEST
STOPPED AT 01 CYCLES
ENTER TO CONTINUE
ESC FOR STOP 299
Press the ENTER/RUN
Press the ESC/STOP
RUNNING TEST
02 : 54.0 ° 00:30→00:23
BLOCK : 24.9 ° 01/30
ESTI. TIME : 0 1 : 1 5 : 1 9
1 . RUN : TEST
2 . CREATE
3 . PROGRAM B-96
4 . OPTION T-MODE

4.4.2. Using the CREATE

In CREATE function, you can give various command such as temperature increment, time increment, ramp rate control. It is possible to input up to 40 steps and even any complicated and long programs can be created conveniently. You can save up to 150 programs that many users can use the same machine.

4.4.2.1. Command usage

You can choose up to 8 commands to use the machine. Make sure to understand each command and usage before creating the program.

1) TEMP : Temperature and time setting.
   Temp. range: 4.0℃~99.9℃
   Time range: 00:01 ~99:59

0 1	TEMP	94.0 °	05:00
0 2	TEMP	94.0 °	00:30
0 3	TEMP	54.0 °	00:30
0 4	TEMP	72.0 °	00:30

2) GOTO : Repeat from step previous step and input step and repeating times you had programmed. The following is the example. It will repeat step 2 and step 4 for 30 times.

0 1	TEMP	94.0 °	05:00
0 2	TEMP	94.0 °	00:30
0 3	TEMP	54.0 °	00:30
0 4	TEMP	72.0 °	00:30
0 5	GOTO	02	30 times

Repeating range (02 ~ 04 step)

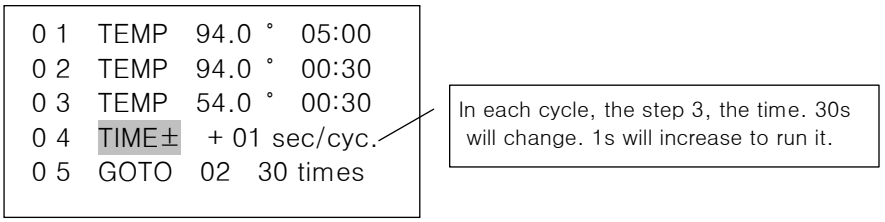
3) STORE : The temperature will remain at what you had stored. It is possible to set the temperature from 4.0℃~99.9℃.

4) TEMP± (Temperature increment) : Insert the temperature increment. The temperature could be programmed up to ±9.9℃.The temperature will be changed per cycle as you programmed.

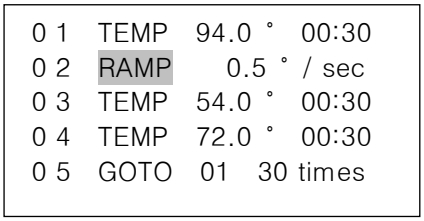
0 1	TEMP	94.0 °	05:00
0 2	TEMP	94.0 °	00:30
0 3	TEMP	54.0 °	00:30
0 4	TEMP±	- 0.1 °/ cyc	
0 5	GOTO	02	12 times

In each cycle, the step 3, the temp., 54° will change.

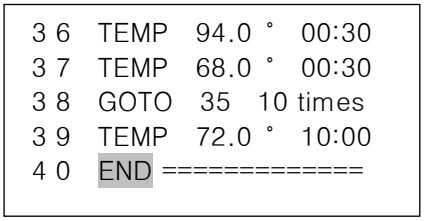
5) TIME± (Time increment) : Insert the time increment. The time could be programmed up to ±60 sec. The time will be changed per cycle as you programmed.


0 1 TEMP 94.0 ° 05:00
0 2 TEMP 94.0 ° 00:30
0 3 TEMP 54.0 ° 00:30
0 4 TIME± + 01 sec/cyc.
0 5 GOTO 02 30 times
In each cycle, the step 3, the time. 30s will change. 1s will increase to run it.

6) RAMP (Ramp rate control) : It is to control Ramp rate. The step before and right after the changes of the temperature and the time will be set in the Ramp rate control. In case of the following as an example, the temperature from 01 step, (94°) to 03 step(54°) will change at the speed of 0.5°/sec.



7) END : It is command to finish the Program. END command must be inserted to finish the program. Otherwise, the program will be inserted automatically saved.



4.4.2.2. Program usage

From the CREATE menu, you can create, store, and run a Program of your choice.

1) From the Main menu, select Program by pressing the numeric key '2', or moving the cursor to '2' (CREATE) and then pressing the ENTER/RUN key.

```
1 . RUN : TEST
2 . CREATE
3 . PROGRAM      B-96
4 . OPTION       T-MODE
```

2) In the folder panel, you can select the folder by numbers or direction keys. Choose the folder and press ENTER/RUN key.

NOTE : There are 6 folders. It is convenient to share the folders with other users. The direction of naming the folder will be described in 4.4.3.5.

```
CREATE TO          000/150
1 : FOLD01     2 : FOLD02
3 : FOLD03     4 : FOLD04
5 : FOLD05     6 : FOLD06
```

3) From the below screen, enter what you want. In the PROGRAM NO field, a number will be automatically given. In the NAME field, enter a alphanumeric name up to ten characters in length. Press ENTER/RUN key.

```
< FOLD01 >              ENG
PROGRAM NO : 001
NAME : TES
```

Use the ENG/NUM key

4) In the LID HEATING field, use the direction keys (↑↓) to select ON or OFF. If you select LID ON mode, the default lid temperature is 105℃. But, you can set lid temperature ranges from 90~120℃.

NOTE : If you select LID OFF mode, lid is not heated.
Hot lid is turned off in case bath temperature is 20℃ or below even if LID ON mode

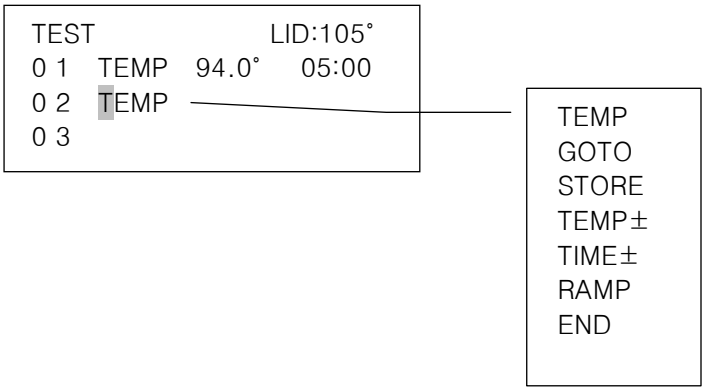
```
< FOLD01 >              ENG
PROGRAM NO : 001
NAME : TEST
LID ON : 105℃
```

5) Next, from the below screen, move the cursor to ① by pressing the direction keys.

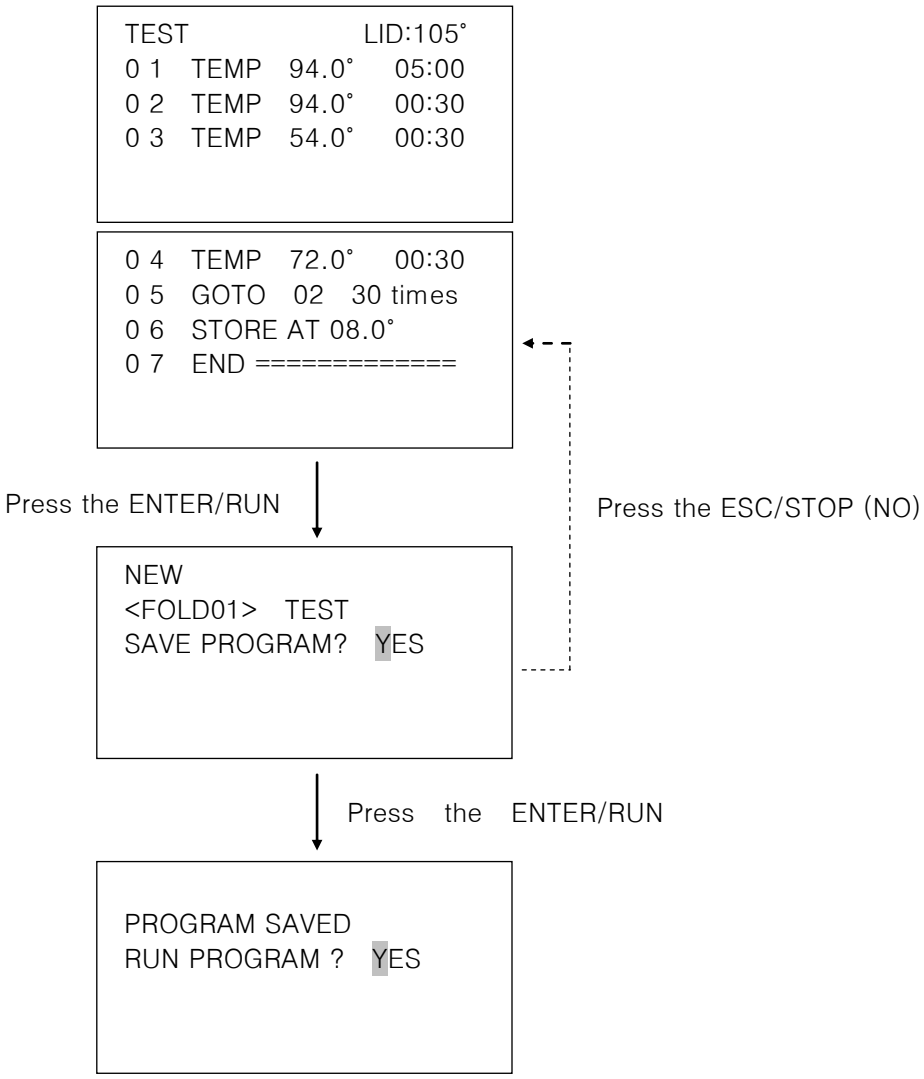
```
TEST                LID : 105°
0 1   ①
0 2
0 3
```

6) TEMP is the only command for 01 step. The other commands are begun at 02 step, however, you can use the direction keys (↑↓) to select one of the eight commands.

※ The direction of command usage will be described in 4.4.2.1.



7) On the below screen, you can enter temperature and time control parameters. Storing a method completes the creation of it. Pressing the ENTER/RUN key displays the SAVE PROGRAM screen. Press ENTER/RUN or ESC/STOP as you wish.

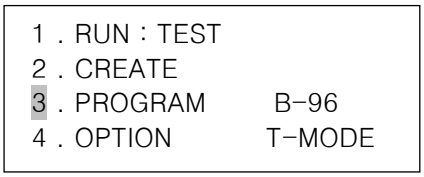


4.4.3. Using the PROGRAM

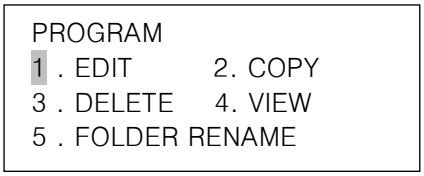
4.4.3.1. EDIT

After you create a Program, you can edit the parameters in it and store it by the same name. Name of a Program cannot be modified.

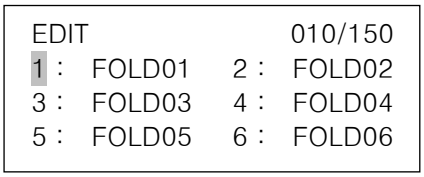
1) From the Main menu, select Program by pressing the numeric key '3', or moving the cursor to '3' (PROGRAM) and then pressing the ENTER/RUN key.



2) On the below screen, you can select EDIT by pressing the numeric key '1', or moving the cursor to '1' (EDIT) and then pressing the ENTER/RUN key.

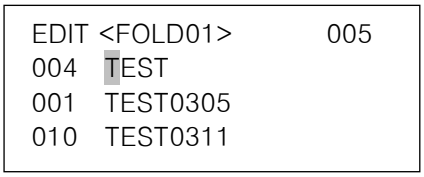


3) In the folder panel, you can select the folder by numbers or direction keys. Choose the folder and press ENTER/RUN key.

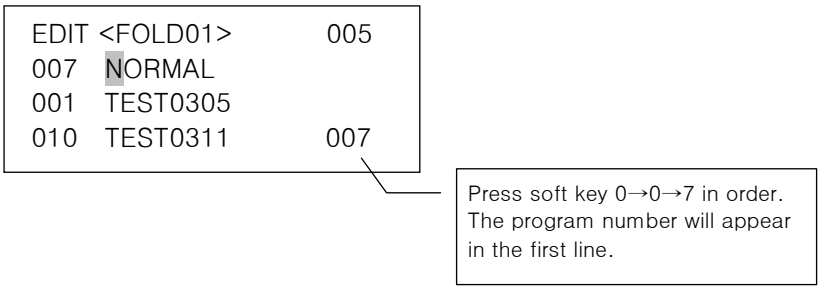


4) The program list will appear in the selected folder. Select the program for edit as indicated below.

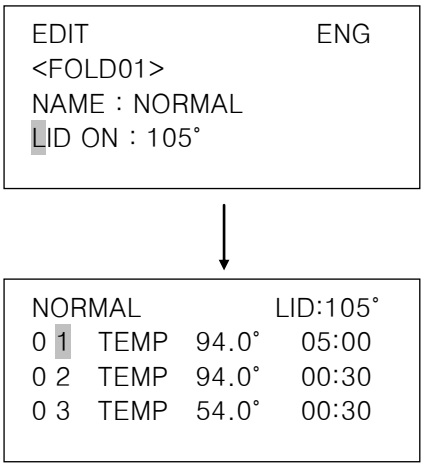
① Select the program using direction key (↑↓) and press ENTER/RUN.



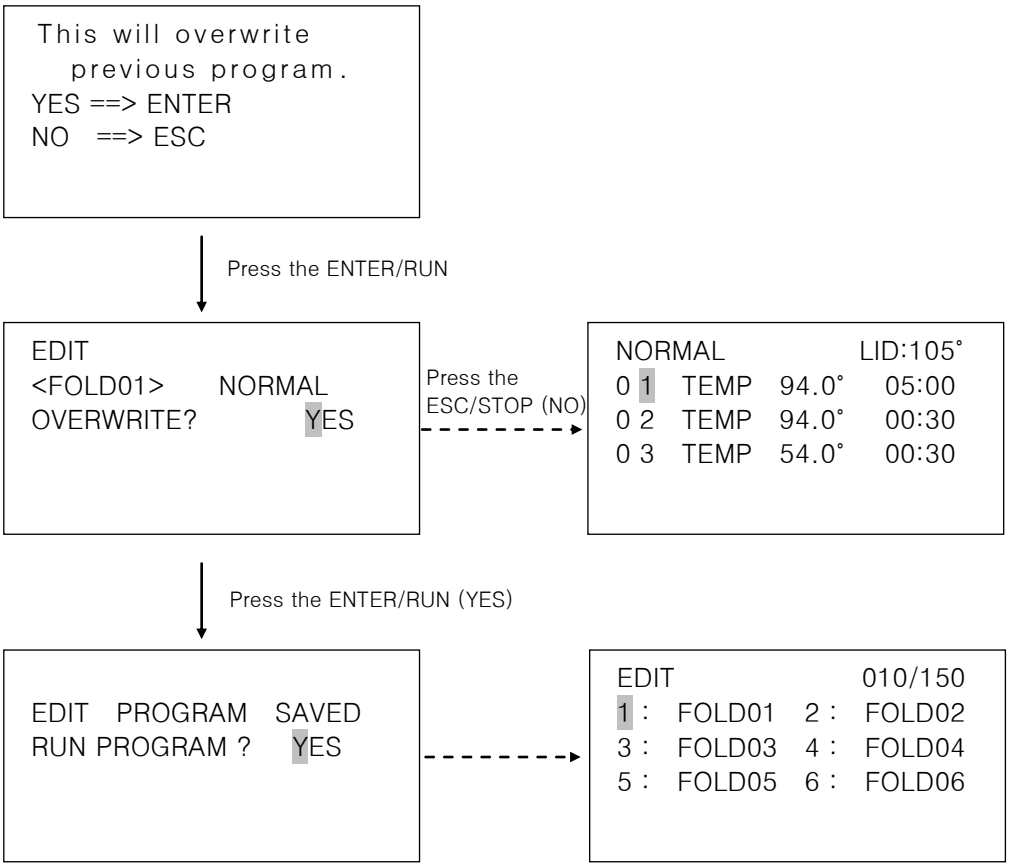
② If you remember the number of the program, press the number. The number will appear in the right side.



5) View the parameters of a Program before editing. Edit control parameters as necessary.



6) Press the ENTER/RUN key and store the Program. Pressing the ENTER/RUN key or ESC/STOP key.



4.4.3.2. COPY

In the COPY menu, you can copy and save a Program by a different name. You may want to edit the copied Program and save the Program with a different Program name.

1) From the Main menu, select Program by pressing the numeric key '3', or moving the cursor to '3' (PROGRAM) and then pressing the ENTER/RUN key.

```
1 . RUN : TEST
2 . CREATE
3 . PROGRAM       B-96
4 . OPTION        T-MODE
```

2) On the below screen, you can select COPY by pressing the numeric key '2', or moving the cursor to '2' (COPY) and then pressing the ENTER/RUN key.

```
PROGRAM
1 . EDIT        2. COPY
3 . DELETE      4. VIEW
5 . FOLDER RENAME
```

3) In the folder panel, you can select the folder by numbers or direction keys. Choose the folder and press ENTER/RUN key.

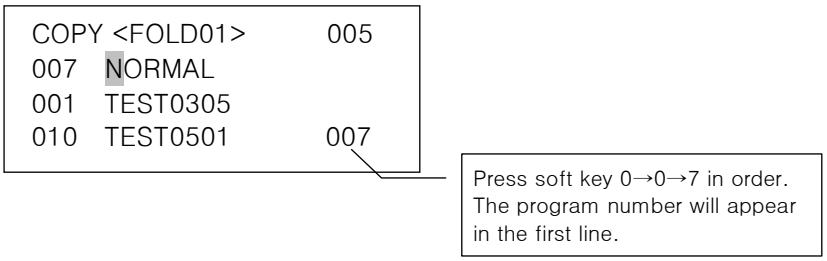
```
COPY                        010/150
1 :  FOLD01    2 :  FOLD02
3 :  FOLD03    4 :  FOLD04
5 :  FOLD05    6 :  FOLD06
```

4) The program list will appear in the selected folder. Select the program for copy as indicated below.

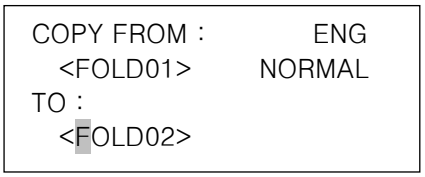
① Select the program using direction key (↑↓) and press ENTER/RUN.

```
COPY <FOLD01>          005
004  TEST
001  TEST0305
010  TEST0311
```

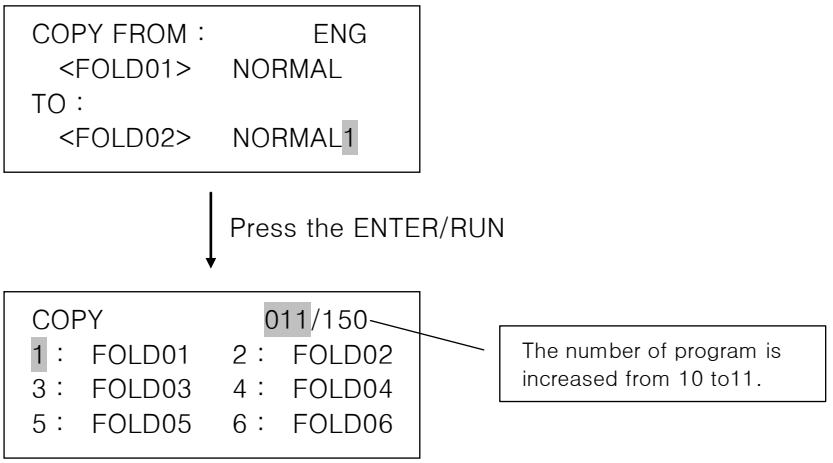
② If you remember the number of the program, press the number. The number will appear in the right side.



5) Select the folder using direction key (↑↓) and press ENTER/RUN.



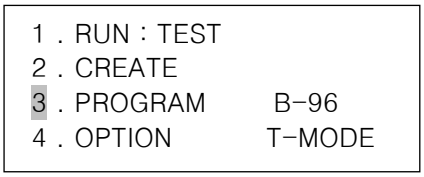
6) Enter the name of the program from the copy file. You cannot make the same name within one folder, however if the folder is different, you can use the same program name.



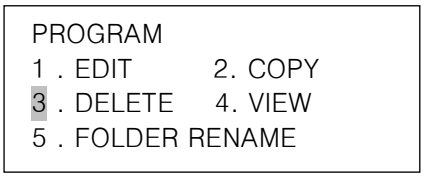
4.4.3.4. DELETE

You can delete Programs from the DELETE screen.

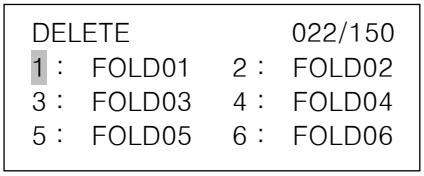
1) From the Main menu, select Program by pressing the numeric key '3', or moving the cursor to '3' (PROGRAM) and then pressing the ENTER/RUN key.



2) On the below screen, you can select DELETE by pressing the numeric key '3', or moving the cursor to '3' (DELETE) and then pressing the ENTER/RUN key.

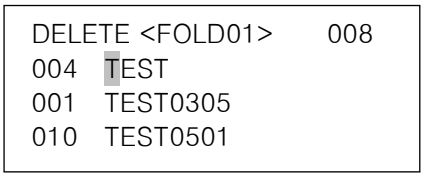


3) In the folder panel, you can select the folder by numbers or direction key. Choose the folder and press ENTER/RUN key.

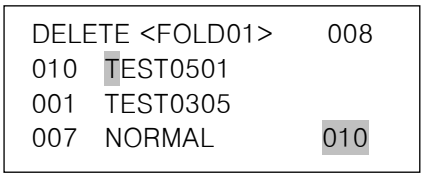


4) The program list will appear in the selected folder. Select the program for delete as indicated below.

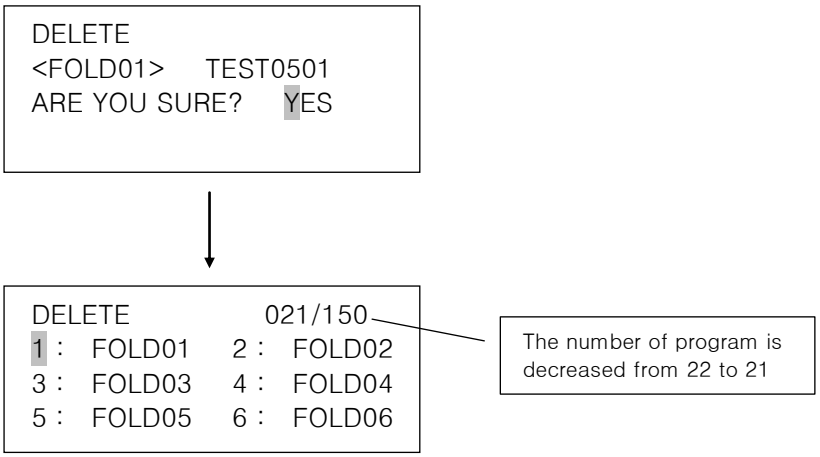
① Select the program using direction key (↑↓) and press ENTER/RUN.



② If you remember the number of the program, press the number. The number will appear in the right side.



5) This displays the Delete Confirmation screen. Use the up and down arrow key to select YES confirm the deletion, then press the ENTER/RUN key. This deletes the Program and returns you to the select folder menu.


DELETE
<FOLD01> TEST0501
ARE YOU SURE? YES
DELETE 021/150
1 : FOLD01 2 : FOLD02
3 : FOLD03 4 : FOLD04
5 : FOLD05 6 : FOLD06
The number of program is decreased from 22 to 21

4.4.3.4. VIEW

From the VIEW menu, you can select and run a stored Program. After reviewing a Program parameters by selecting a stored Program, you can run the Program by pressing the ENTER/RUN key.

1) From the Main menu, select Program by pressing the numeric key '3', or moving the cursor to '3' (PROGRAM) and then pressing the ENTER/RUN key.

```
1 . RUN : TEST
2 . CREATE
3 . PROGRAM       B-96
4 . OPTION        T-MODE
```

2) On the below screen, you can select VIEW by pressing the numeric key '4', or moving the cursor to '4' (VIEW) and then pressing the ENTER/RUN key.

```
PROGRAM
1 . EDIT        2. COPY
3 . DELETE      4. VIEW
5 . FOLDER RENAME
```

3) In the folder panel, you can select the folder by numbers or direction keys. Choose the folder and press ENTER/RUN key.

```
VIEW                        022/150
1 :  FOLD01    2 :  FOLD02
3 :  FOLD03    4 :  FOLD04
5 :  FOLD05    6 :  FOLD06
```

4) The program list will appear in the selected folder. Select the program for view as indicated below.

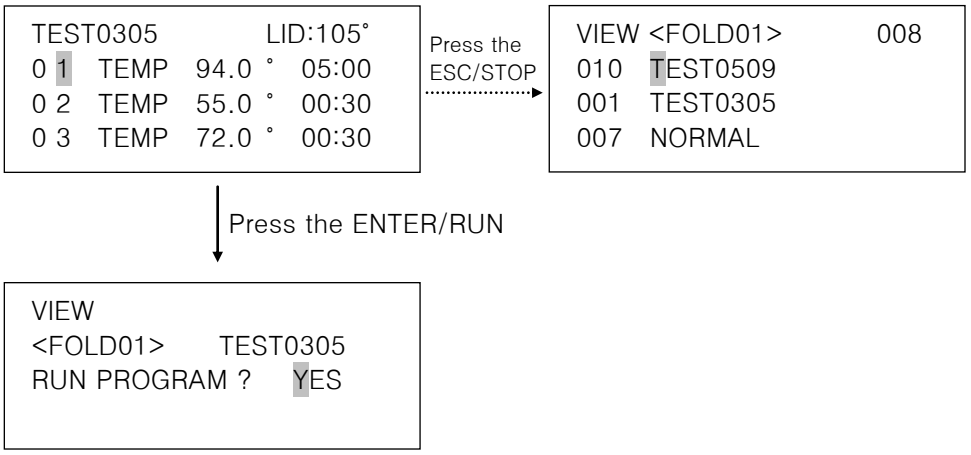
① Select the program using direction key (↑↓) and press ENTER/RUN.

```
VIEW <FOLD01>          008
004   TEST
001   TEST0305
010   TEST0307
```

② If you remember the number of the program, press the number. The number will appear in the right side.

```
VIEW <FOLD01>          008
010   TEST0503
001   TEST0305
007   NORMAL           010
```

5) After review the Program parameters, press the ENTER/RUN. Use the up and down arrow keys to select YES or NO.



4.4.3.5. FOLDER RENAME

From the FOLDER RENAME menu, you can rename the folder.

1) From the Main menu, select Program by pressing the numeric key '3', or moving the cursor to '3' (PROGRAM) and then pressing the ENTER/RUN key.

```
1 . RUN : TEST
2 . CREATE
3 . PROGRAM       B-96
4 . OPTION        T-MODE
```

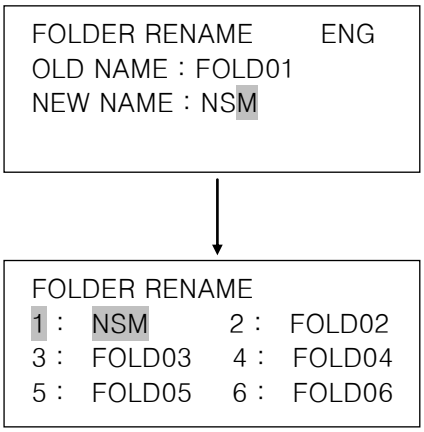
2) On the below screen, you can select FOLDER RENAME by pressing the numeric key '5', or moving the cursor to '5' (FOLDER RENAME) and then pressing the ENTER/RUN key.

```
PROGRAM
1 . EDIT        2. COPY
3 . DELETE      4. VIEW
5 . FOLDER RENAME
```

3) In the folder panel, you can select the folder by numbers or direction keys. Choose the folder and press ENTER/RUN key.

```
FOLDER RENAME
1 :  FOLD01     2 :  FOLD02
3 :  FOLD03     4 :  FOLD04
5 :  FOLD05     6 :  FOLD06
```

4) Enter the folder name for the selected folder. You can use letters or numbers total of 6 characters are possible to insert.



4.4.4. Using the OPTION

In the option, you can use Temperature control mode.

4.4.4.1. TEMP. CONTROL MODE

You can select temperature control mode.
(The direction of TEMP. CONTROL MODE will be described on page 34~35.)

1) From the Main menu, select Program by pressing the numeric key '4', or moving the cursor to '4' (OPTION) and then pressing the ENTER/RUN key.

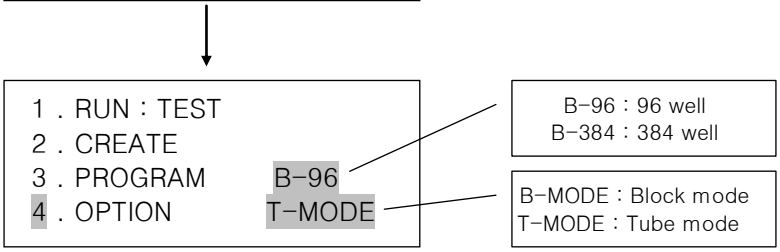
```
1 . RUN : TEST
2 . CREATE
3 . PROGRAM       B-96
4 . OPTION        T-MODE
```

2) On the below screen, you can select TEMP. CONTROL MODE by numeric key '2', or moving the cursor to '2' and then pressing the ENTER/RUN key.

```
OPTION
1 . GRAD. CALC.
2 . TEMP.CONTROL MODE
3 . FACTORY SETTING
```

3) You can select mode by pressing the numeric key, or moving the cursor to mode and then pressing the ENTER/RUN key.

```
TEMP. CONT. MODE
MODE> 1:BLOCK   2:TUBE
WELL>  3: 96      4:384
```

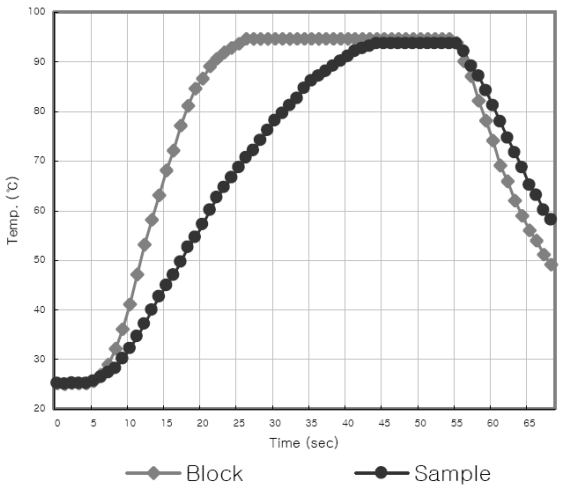


Temperature control mode

There are two temperature control mode, block mode and tube mode. Depending on the experiment, you can select either mode. Each mode has different method that result of the experiment can be different. The default mode is tube mode. If you select Block mode, this will only be applied once. If you wish to use block mode, you need to choose each time.

1. Block mode

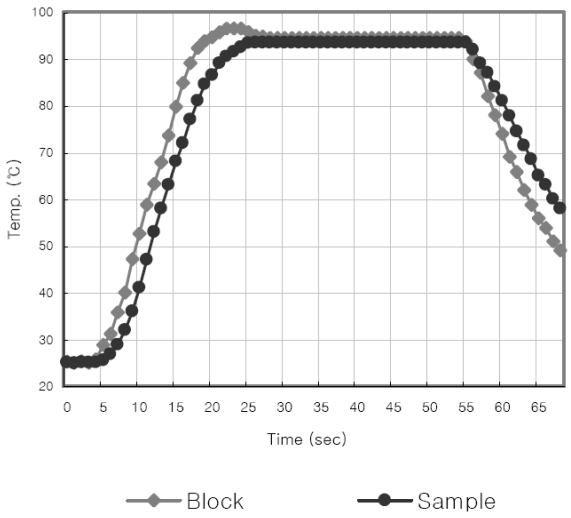
: In Block mode, the temperature shows only for a block. Under Block mode, the temperature of samples always lags behind the temperature of the block. Please refer to <Figure 1> for the differences of the temperatures between Block and Sample.



< Figure 1. Block mode (94℃, 30sec) >

2. Tube mode

: This graph shows the estimate temperature of the sample since this mode is designed to control the temperature of the sample. This mode is more accurate to control the temperature for the samples than Block mode that it could give better test result for complicated experiments. The display temperature shown is estimate temperature.



< Figure 2. Tube mode (94℃, 30sec) >

5. Troubleshooting

Problem	Solution
Power is not on	Check if it is plugged and turn on the switch.
Delay in operating or temperature control is not accurate.	Check the temperature of the outside of the system and the humidity

Error message	Solution
RESET STM. REQ . A / S	Please contact sales@bioneer.com for the support.
No Program Press any key!!	Program that executed right before had been deleted. Please select other program to execute
Memory full Press any key	There are 150 programs stored in the system. If you need to create or copy, please delete some of the programs.
Save Error No Steps Press any key!	While program is being created, there is no information of operating condition. Input operating conditions
Save Error Step overflow Press any key!	Use all 40 steps to program but did not input END command. Input END command.
Same name was used! Enter other name.	While inserting the Program name or folder name, you have used the same name with existing program or folder. Insert the new name.
Operating Temp. Overflow at cycle	In case of executing inserted Temp. Increment, operating temperature range will exceed in designated cycle. Check the program and reduce the temperature or adjust the number of the cycle.
Operating Temp. Underflow at cycle	In case of executing inserted Temp. Increment, designated cycle will be 0℃. Check the program and reduce the temperature or adjust the number of the cycle. Temp.
Operating Time Overflow at cycle	In case of executing inserted Time Increment, operating time range will exceed in designated cycle. Check the program and reduce the temperature or adjust the number of the cycle.

Error message	Solution
Operating Time Underflow at cycle	In case of executing inserted Time. Increment, designated cycle will be 0 sec. Check the program and reduce the temperature or adjust the number of the cycle.
No Program To Edit Press any key	There is no program in the selected folder. Select the program in the different program to edit.
No Program To Copy Press any key	There is no program in the selected folder. Select the program in the different program to copy.
No Program To Delete Press any key	There is no program in the selected folder. Select the program in the different program to delete.
No Program To View Press any key	There is no program in the selected folder. Select the program in the different program to view.

6. Ordering information

Product	Cat. No.
MyGenie™ 96/384 Thermal Block	A-2040-1
MyGenie™ 384 Thermal Block only	A-2040-2
MyGenie™ 96/384 Thermal Block with TCP/IP	A-2040-3
MyGenie™ 384 Thermal block	A-2040-4

7. Warranty

This system and constituent equipment is warranted by Bioneer against manufacturing defects in materials and workmanship for a limited warranty period of one (1) year from the date you received your product. Bioneer will either (1) repair the product at no charge if a hardware defect is found or (2) exchange the product if the same hardware defect arises more than three times during the limited warranty period. Any other accessories other than the instrument itself are considered as consumables and warranted for three months. Spare parts for the instrument will be available for five years from the initial instrument release date. If a defect arises after the limited warranty period, shipping and handling charges may apply to any repairs or exchanges of the product undertaken by Bioneer.

Exclusions and limitations

This warranty does not apply: (a) to cosmetic damage, including but not limited to scratches, dents, and broken plastic on ports: (b) to damage caused by accident, abuse, misuse, flood, fire, earthquake or other external causes: (c) to a product or part that has been modified in any way without explicit written consent of Bioneer; or (d) to damage cause by any services performed by unauthorized engineers or service providers.

Obtaining Warranty Service

Please review this user guide and access the online support referred to in the manual accompanying this product before requesting warranty service.

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